



Species

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2023 Report of the IUCN Species Survival Commission and Secretariat



The IUCN Species Survival Commission (SSC)

The IUCN Species Survival Commission (SSC) is a science-based network of thousands of volunteer experts from almost every country of the world, all working together toward achieving the vision of “a just world that values and conserves nature through positive action to both prevent the loss and aid recovery of the diversity of life on earth.”

Members of SSC belong to one or more of near 200 Specialist Groups, Red List Authorities, Action Partnerships, Task Forces, and Conservation Committees that make up the Network, each focusing on a taxonomic group (plants, fungi, mammals, birds, reptiles, amphibians, fishes, and invertebrates), national species, or a disciplinary issue, such as sustainable use and livelihoods, translocation of species, wildlife health, climate change, and conservation planning.

Framed by the Species Conservation Cycle, SSC’s major role is to provide information to IUCN on biodiversity conservation, the inherent value of species, their role in ecosystem health and functioning, the provision of ecosystem services, and their support to human livelihoods. This information is fed into the IUCN Red List of Threatened Species.

2021-2025 Species Strategic Plan

The IUCN Species Strategic Plan encompasses the joint work of the IUCN Species Survival Commission and a number of partnerships to achieve more than 2,700 targets proposed by the Network during the 2021-2025 quadrennium.

To accomplish those targets, the Species Conservation Cycle was established, which is the conceptual framework for the Network activities. The Species Conservation Cycle’s main purpose is to guide efforts for valuing and conserving biodiversity through three essential components that are linked to each other:

ASSESS: Understand and inform the world about the status and trends of biodiversity.

PLAN: Develop collaborative, inclusive and science-based conservation strategies, plans and policies.

ACT: Convene and mobilise conservation actions to improve the status of biodiversity.



Their implementation requires two transversal components:

NETWORK: Enhance and support our immediate network and alliances to achieve our biodiversity targets.

COMMUNICATE: Drive strategic and targeted communications to enhance our conservation impact.

SSC Species Report

Annual progress in the implementation of the 2021-2025 Species Strategic Plan is documented in the SSC *Species Report*, which consists of a comprehensive description and analysis of the activities and results generated by the members of the SSC Network and Centers for Species Survival (CSS) each year. Each SSC and CSS group contributes to this document by providing a yearly summarised description of their achievements, which is presented in stand-alone reports.

Structure of the IUCN SSC and CSS Stand-alone Reports

Stand-alone reports summarize the activities conducted and results generated by each group member of the SSC and CSS. Following, is the structure of the stand-alone report and the contents under each session.

Title of the group

Photograph(s) of the Chair/Co-Chairs

Group information

Includes names of Chair/Co-Chairs, Vice-Chairs, Deputy Chairs, Red List Authority Coordinators, Program Officers, Species Survival Directors, and Species Survival Officers, their institutional affiliations, number of members and social networks currently active.

Logo of the group

Mission statement

Includes the mission of the group.

Projected impact for the 2021-2025 quadrennium

Includes the description of the impact on species conservation resulting from the implementation of the targets formulated by the group for the 2021-2025 quadrennium.

Targets for the 2021-2025 quadrennium

Includes the targets planned by the SSC or CSS group for the 2021-2025 quadrennium ordered alphabetically by component of the Species Conservation Cycle. Each target is labeled with a numerical code (e.g., T-001, T-012) that identifies it in the SSC DATA database and its status for the reported year is indicated (Not initiated, On track or Achieved).

Activities and results

Includes the targets for which activities were conducted and results were generated during the reported year, ordered alphabetically, first by component of the Species Conservation Cycle, and second by Activity Category. Description of activities and results includes the indicator that best describes progress, its associated quantitative or qualitative result, and the narrative description of the activity conducted or result obtained. Each activity or result reported is linked to the Key Species Result to which it is mainly associated (e.g., KSR#1, KSR#5).

Acknowledgements

Includes the acknowledgements to funding agencies, partners, and persons who contributed to the progress of the targets of the group.

Summary of achievements

Summarises information of the group's strategic plan for the quadrennium and progress achieved implementing targets for all the components of the Species Conservation Cycle during the reported year.

Animalia

Fungi

Plantae

National Species

Disciplinary

Action Partnership

Task Force

Red List Authority

Committee

Center for Species Survival

Example for the recommended citation:

Kumar Talukdar, B. 2024. 2023 Report of the Asian Rhino Specialist Group. In: IUCN SSC and Secretariat. *2023 Report of the IUCN Species Survival Commission and Secretariat*. Gland, Switzerland: IUCN. 6 pp.

2023 Report

IUCN SSC Asian Rhino Specialist Group



CHAIR
Bibhab Kumar
Talukdar

Aaranyak, Guwahati,
India

**RED LIST AUTHORITY
COORDINATOR**
Susie Ellis Wildt

International Rhino
Foundation

NUMBER OF MEMBERS

58

SOCIAL MEDIA AND WEBSITE

Website: <https://rhinos.org/our-work/research-and-publications/iucn-asian-rhino-specialist-group/>

Mission statement

The mission of the IUCN SSC Asian Rhino Specialist Group (AsRSG) is to foster conservation and management of the three species of Asian rhinos and their habitats.

Projected impact 2021–2025

Out of the three species of Asian rhinos, the wild population of the Greater One-horned Rhino (*Rhinoceros unicornis*) has been found stable and with an increasing trend in 2021.

Targets 2021–2025

ASSESS

T-009 Prepare IUCC SSC AsRSG/AfRSG and TRAFFIC International Report on rhinos for CITES CoP-19.
Status: Achieved

T-010 Prepare IUCC SSC AsRSG/AfRSG and TRAFFIC International Report on rhinos for CITES CoP-20 to be held in 2025.
Status: On track

PLAN

T-003 Complete preparation of Greater One-horned Rhino Conservation Plan.
Status: On track

T-004 Assist Indonesia to prepare the National Plan for Javan Rhino (*Rhinoceros sondaicus*) and Sumatran Rhino (*Dicerorhinus sumatrensis*).
Status: On track

ACT

T-005 Assist India and Nepal with technical inputs from the AsRSG members to increase the wild population of the Greater One-horned Rhinos to 4,500 by 2025.
Status: On track

NETWORK

T-006 Build capacity of AsRSG members on Red List and Green Status assessment.
Status: On track

T-007 Increase membership of AsRSG to about 100 by 2025 by including budding young professionals of diverse backgrounds with the ability to strengthen AsRSG.
Status: On track

COMMUNICATE

T-008 Hold the 3rd Asian Rhino Range States Meeting in Nepal in 2023.
Status: Achieved

T-011 Prepare and Submit the IUCN SSC AsRSG Chair's report in *Pachyderm Journal* for 2022-2023.
Status: Achieved

Activities and results 2023

PLAN

Planning

T-003 Complete preparation of Greater One-horned Rhino Conservation Plan. (KSR 8)
Number of conservation plans/strategies developed: 0

Result description: This is in progress and the draft contents have been prepared and circulated for review by rhino-bearing area managers and AsRSG members during 2023.

T-004 Assist Indonesia to prepare National Plan for Javan Rhino (*R. sondaicus*) and Sumatran Rhino (*D. sumatrensis*). (KSR 8)

Number of conservation plans/strategies developed: 0

Result description: Draft content was prepared, but this needs to be endorsed by Indonesia's Ministry for Environment and Forestry as the Javan and Sumatran Rhino are currently found only in Indonesia and endorsement or agreement to this proposed National Plan would need government blessings to execute key activities for the recovery of these two critically endangered species of Asian rhinos.

ACT

Technical advice

T-005 Assist India and Nepal with technical inputs from the AsRSG members to increase the wild population of Greater One-horned Rhinos to 4,500 by 2025. (KSR 10)

Number of technical consultations provided to support conservation actions: 3

Result description: During 2023, three technical inputs were provided to further strengthen monitoring of Greater



One-horned Rhino (*R. unicornis*) in India and Nepal including planning for capture, translocation and release of GOH Rhinos from wild to wild as part of GOH Rhino range expansion in India and Nepal.

NETWORK

Capacity building

T-006 Build capacity of AsRSG members on Red List and Green Status assessment. (KSR 2)

Number of people trained in assessment tools: 3

Result description: Three more AsRSG members were briefed on basic knowledge of the Red List and Green List assessment process and encouraged to study in detail by visiting the website of the Red List and Green List Assessment.

Membership

T-007 Increase membership of AsRSG to about 100 by 2025 by including budding young professionals of diverse backgrounds with the ability to strengthen AsRSG. (KSR 2)

Number of SSC members recruited: 7

Result description: Although an invitation to join AsRSG was sent to about 11 individuals, only seven new members accepted the invitation and joined through the Union portal.

COMMUNICATE

Communication

T-011 Prepare and submit the IUCN SSC AsRSG Chair's report in *Pachyderm Journal* for 2021-2022. (KSR 12)

Number of Species e-bulletin, Save Our Species newsletter, SSC Groups' newsletter editions produced: 1

Result description: The AsRSG Chair's report was submitted and published in *Pachyderm Journal*.

Scientific meetings

T-008 Hold the 3rd Asian Rhino Range States Meeting in Nepal in 2023. (KSR 12)

Number of presentations delivered in scientific events: 10

Result description: The 3rd Asian Rhino Range States meeting was held in Chitwan National Park, Nepal February 3-5, 2023, with over 116 participants including delegates from five Asian rhino range states – India, Bhutan, Nepal, Indonesia and Malaysia. In this meeting deliberations on protection, population management, habitat management, research monitoring and information sharing, coordination and cooperation were made. Based on the three days of deliberations, the delegates of Bhutan, India, Indonesia, Malaysia, and Nepal recognized the diverse challenges being faced by the Asian rhinos and agreed on: (1) Protection, (1.1) strengthening the

protection regime, intelligence gathering, and real-time sharing of intelligence information on rhino crime and its illegal horn trade, (1.2) use of advanced technology including use of forensic science to aid on-going protection and surveillance to prevent illegal hunting of rhinos, (1.3) enhance boots on the ground for regular field vigil to detect and deter wildlife offences in rhino bearing areas, with special emphasis on strategic locations, (1.4) upkeep high morale of frontline staff through improved field facilities and incentive packages, (1.5) enhancement of skills and capacity building of frontline staff including wildlife crime investigations, (1.6) provide alternative livelihoods to increase local economic growth and community development programs around Rhino-bearing Protected Areas, (1.7) mobilisation and empowerment of local communities for community-based conservation activities, (1.8) strengthening and harmonisation of a legal framework and regulations to combat wildlife crime; (2) Population Management, (2.1) establish National Conservation Breeding Programme for Sumatran Rhino in Indonesia, to direct the management of all Sumatran Rhinos under human care as a single population and manage for optimal growth, and use multiple approaches to accurately detect and save isolated

Typical alluvial flood plain grassland used by Greater One-horned Rhino (*Rhinoceros unicornis*)
Photo: Bibhab Kumar Talukdar



Sumatran Rhino populations in the wild, then consolidate them into a sanctuary for breeding purposes as a part of the national breeding programme, (2.2) support the movement of Sumatran Rhino amongst the breeding centres under the National Conservation Breeding Programme to optimise breeding opportunities, genetic diversity and population growth, (2.3) establish and operate the Javan Rhino Study and Conservation Area (JRSCA) Management System as a management centre for the Javan Rhinoceros population, (2.4) establish a second habitat and population of the Javan Rhino outside of the Ujung Kulon National Park, (2.5) encourage the exchange of rhinos between the populations of same species in order to improve the genetic health, (2.6) explore possibilities of expanding rhino ranges within the country or between rhino range countries for optimal population management, (2.7) sharing of technologies and scientific knowledge to restore the species and ecosystems, including Assisted Reproduction Technology (ART); (3) Habitat Management, (3.1) improve habitat management techniques in rhino bearing areas to maximise habitat suitability and expansion of its range, (3.2) develop and implement rhino habitat management guidelines to ensure continuous availability of food, water and

space for rhinos; (3.3) minimising the threats on the rhino habitats including invasive alien species, (3.4) adopting wildlife-friendly measures in developmental projects to minimise the adverse effect on rhino habitat and prevent fragmentation and degradation of the rhino range; (4) Research, monitoring and information sharing, (4.1) conduct/promote long-term research on various aspects related to rhino conservation including population and habitat management, captive breeding potential, human-rhino interface, genetic health and control of invasive species, (4.2) establish routine-based rhino population monitoring system in rhino bearing areas and conduct rhino population survey every four years, (4.3) promote studies on potential impacts of climate change on species and habitats, (4.4) undertake studies on rhino health issues and potential diseases and take necessary steps for management intervention as per One Health principles; (4.5) conduct water health assessment and availability in rhino habitats, (4.6) identify potential areas and conduct a feasibility study for reintroduction, (4.7) sharing studies, research outcomes and best practices among range countries; (5) Coordination and cooperation, (5.1) strengthen transboundary collaboration among Asian rhino range countries, (5.2) strengthen cooperation and engagement

between Bhutan, Nepal and India sharing contiguous habitats and connecting corridors, (5.3) regularly carry out cross-learning visits among the managers and frontline staff of the rhino range countries, (5.4) increase the engagement of the local communities as stewards to secure the future of rhinos in range countries and promote co-existence. The Asian rhino range countries agreed to launch a special rhino conservation program focusing on community-based initiatives in the vicinity of their rhino-bearing areas. The member countries also agreed that the critically endangered Sumatran Rhino needs time-bound recovery measures in the range countries and appeal to global communities to complement, technically and financially, the effort to secure the species. The member countries, additionally, agreed to review the status of the three species of Asian rhinos every four years to reassess the need for joint actions to secure the future. The five Asian rhino range countries, Bhutan, India, Indonesia, Malaysia and Nepal, hereby commit to managing the populations of the Greater One-Horned, Javan and Sumatran Rhinos to achieve at least a 3% annual growth rate in their populations for these rhino-bearing countries, through the implementation of the strategic actions outlined in this Declaration.

Inaugural Session of the 3rd Asian Rhino Range States meeting in Chitwan NP, Nepal, 3-5 February 2023
Photo: AsRSG



Acknowledgements

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Summary of achievements

Total number of targets 2021–2025: 9

Geographic regions: 9 Asia

Actions during 2023:

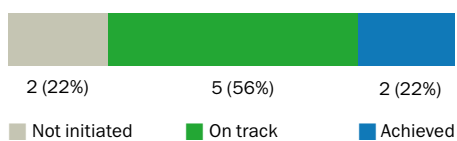
Plan: 2 (KSR 8)

Act: 1 (KSR 10)

Network: 2 (KSR 2)

Communicate: 2 (KSR 12)

Overall achievement 2021–2025:



Group photo of delegates at the 3rd Asian Rhino Range States Meeting held in Chitwan NP, Nepal from 3-5 February 2023
Photo: AsRSG



Nothobranchius fuscotaeniatus
Photo: Csenge Nagy



Tetra Parnaiba
Photo: Karina Molina



Trioceros hoehnelii
Photo: Christopher V. Anderson



Sternberia lutea
Photo: Hayri Duman



Egretta rufescens
Photo: Ernesto Gómez



Lactifluus neotropicus
Photo: Aida Vasco



Mayfly nymph (*Ecdyonurus* sp.)
Photo: Astrid Schmidt-Kloiber and Wolfram Graf